Use Attainability Analysis

for

WBID 1277 Little Deer Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

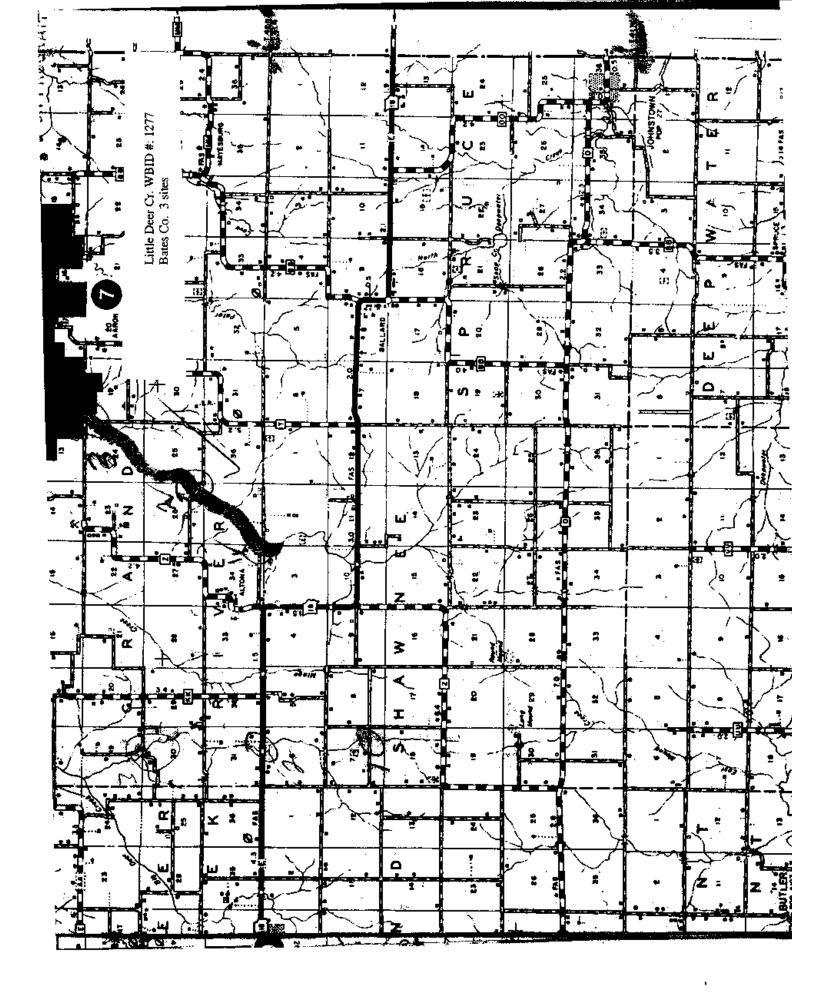
Data Sheet A - Water Body Identification

WATER PROTECTION PROSERT.

Water Body Name (from USGS 7.5' quad): Little Deer CR
8-digit HUC: 10290108
Missouri WBID#: は77
County: Bates
Upstream Legal Description: 5 7 THIN R 30N
Downstream Legal Description: S30 T49N R 30N
Upstream Coordinates: 38.375916 LAT 94.277027 LONG.
Downstream Coordinates: 38-422555 LAT94.278722 LOVG.
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: (3)
Name of Surveyor and Telephone Number: Craig Chaffeld & Aaron Woods 1022-7075
Organization: MO DNR SULP
Position: Soil Scientists

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:	P	Ch.f.d	2 Anai Woods	Date:	6/8/05	
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Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: //	277 - 01		Site Location De	escription:	· · · · · · · · · · · · · · · · · · ·		
		-94.2770	aring Little	DEE12 CE			
Site GPS Coordinates: 38.375916 LAT94.277027 Lond IHE DEE12 CE Date & Time: 6/8/05 1/5 PM Facility Name: —							
·		-	Permit Number:		<u></u>		
Current Weather Condit		lovely			derate PAIN		
Photo Ids: Upstream: W				- 1	MACHIS THIN		
			<u> </u>				
Uses Observed*:				·			
	Skin diving	□ scu	BA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boa	ing	Wading	Rafting		
Hunting	☐ Trapping	☐ Fish		None of the above	Other:		
Describe: (include numb	er of individuals recre	eating, freque	ncy of use, photo-	documentation of evidence	e of recreational uses, etc.)		
1							
1							
1							
_							
Surrounding Condition	18*: (Mark all that pr	omote or imp	ede recreational u	ses. Attach photos of evid	ence or unusual		
items of interest.)	. <u></u>						
☐ City/county parks	☐ Playgrounds	MDC con	servation lands	Urban areas	Campgrounds		
☐ Boating accesses	State parks	☐ National 1	orests	☐ Nature trails	Stairs/walkway		
☐ No trespass sign	☐ Fence	Steep slop	es	Other: Debeis	(Timber)		
		-		Reference WBDI			
Evidence of Human Us	e*:						
Roads	Foot paths/print	s Do	ock/platform	Livestock Watering	RV / ATV Tracks		
Rope swings	☐ Camping Sites	Fi	e pit/ring	☐ NPDES Discharge	Fishing Tackle		
Other: +eNCE	Posts - R	leterence	WBD1277	01			
DU. T Service		_					
Site Locations Map(s):	Attach a map of e	ntire segme	ent with assessi	ment sites clearly labe	led. Mark any		
other items that may be	of interest. (Includ	de photogra	phs) (🗸		-		
			_	,			
*Some of this information is may point to conditions that i	not intended to direct	ly influence a	decision on any o	ne particular recreational	use analysis but		
	ieed luriner analysis o	or that effect a	nother use				

Data Sheet B - Site Characterization

Page Two – WBID # 보기 :

Upstream View	gy: Physical D	imensions.				
Riffle Width		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	<u></u> .
Run Width	(ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
[X Pool Width	(ft): /5	Length (ft):	20 Avg. Depth			ft 10 1
Flow Preser		\(\rightarrow\)\(\rightarrow\)	Estimated (f		1 242 (27)	7,70
Downstream Vi	iew Physics	l Dimonoiones			_	
☐ Riffle Width		Length (ft):	Avg. Depth	(ft);	Max. Depth (ft):	,
Run Width	(ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
Pool Width	(ft): /b	Length (ft):	/O Avg. Depth	· · · · · · · · · · · · · · · · · · ·		1ft 6"
Flow Preser		Ø No	Estimated (f	<u> </u>		1TT <u>6</u> .
uatic Vegetatio	m*: (note am	ount of vegetation o	or algal projeth at the near			
	D1277 01		or algar growth at the asse	essment site)		
Picture WB ater Characteri	0 2 77 0 stics*: (Mark	k all that apply.)				
Picture WB ater Characteri Odor:	0 2 77	k all that apply.)	☐ Chemical	None	Other:	
Picture WB ater Characteri Odor: Color:	D 2 77	k all that apply.) Musky Green	☐ Chemical	X None ☐ Milky	Other: Murk	
Picture WB ater Characteri Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark	k all that apply.) Musky Green Solids Scum	Chemical Gray Fine sediments Foam	None Milky None None	Other: Murk Other: Ferce	Posto
Picture WB ater Characteri Odor: Color: Bottom Deposit: Surface Deposit: omments: Please his information is no nprehensive underst ision on the recreati	stics*: (Mark Sewage Clear Sludge Oil attach addi	k all that apply.) Musky Green Solids Seum tional comments plely for removal of er conditions. Consist but may point to firm to the best	Chemical Gray Fine sediments Foam s (including informates a recreational use designates sequently, this information conditions that need further	None Milky None None Mone Mone tion from intendention but rathe on is not intendented ber analysis or t	Other: Murk Other: Farce Other: crviews) to this form. or is to provide a more and to directly influence a	Posto
Picture NB ater Characteri Odor: Color: Bottom Deposit: Surface Deposit: omments: Please his information is no nprehensive underst ision on the recreati the undersigned tasheet is true a	stics*: (Mark Sewage Clear Sludge Oil attach addi of to be used so anding of wate ion use analysi hereby af	k all that apply.) Musky Green Solids Scum tional comments plely for removal of er conditions. Consist but may point to the best e.	Chemical Gray Fine sediments Foam s (including informates a recreational use designates sequently, this information conditions that need further	None Milky None None None tion from intention but rathe on is not intende her analysis or t	Other: Murk Other: Ferce Other: or is to provide a more and to directly influence a that effect another use.	Posto

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Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	277 - 02		Site Location De	escription:				
Site GPS Coordinates: 3		-94, 1818-	120 Lough ittle	OEER CR.				
Date & Time: 6/8/00	5 1:35 PM	7 75 75	Facility Name:		<u> </u>			
Personnel: Crais Cha	Personnel: Craig Chalfeb & AaroN woods Permit Number:							
Current Weather Condition	,	Partly cloud	Weather Conditi	ons for Past 7 days:	HERALE RAIN			
Photo Ids: Upstream: NB		nstream: √(80	Ja77 OA Other		7-11-14			
	·		<u>.</u>					
Uses Observed*:								
Swimming	Skin diving	□ scu	JBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayakîng	☐ Boa	ting	□Wading	Rafting			
Hunting	☐ Trapping	☐ Fish		None of the above	Other:			
25001.00. (morado mano	4 OF HIGHYRIGAIS 16CI	came, neque	ney or use, photo-	documentation of evidence	or recreational uses, etc.)			
Surrounding Condition	s*: (Mark all that p	romote or imp	ede recreational u	ses. Attach photos of evider	nce or unusual			
items of interest.)	 							
City/county parks	Playgrounds	MDC con	servation lands	Urban areas	Campgrounds			
Boating accesses	☐ State parks	National i	forests	☐ Nature trails	☐ Stairs/walkway			
No trespass sign	Fence	Steep slop	oes		gaurds			
Evidence of Human Use	*•			Reference WB				
Roads	Foot paths/prin	is D	ock/platform	Livestock Watering	RV / ATV Tracks			
Rope swings				☐ NPDES Discharge	Fishing Tackle			
DOTHER: Timber		eference	WBD1217 0	<u> </u>				
	Crossing Fenc		MDD1211 C					
Site Locations Map(s):	Attach a map of e	entire segme	ent with assessi	ment sites clearly labele	ed. Mark anv			
other items that may be o	f interest. (Inclu	de photogra		Hached				
*Some of this information is r	ot intended to direct	tly influence a	• •		se analysis but			

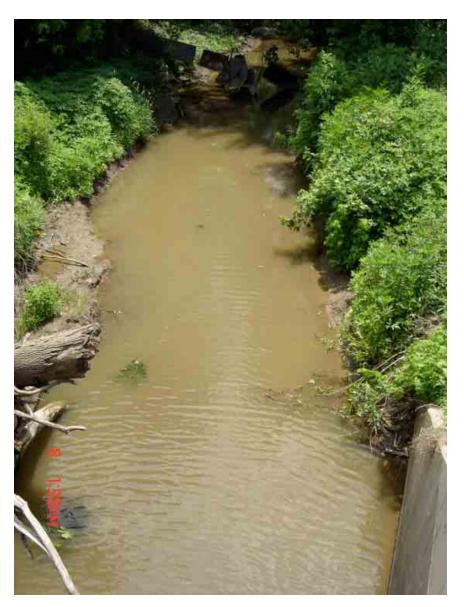
may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

Stream Morp <u>Upstre</u> am		ysical Dim	ensions:									
Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		М	ax. Depti	h (ft):		
[X Run	Width (ft):	10	Length (ft):	15	Avg. Depth (ft):) f.L.	М	ax. Depti	h (ft):	14	- 6 11
Pool	Width (ft):	<u>-</u>	Length (ft):	-	Avg. Depth (ft):		м	ax. Depti	h (ft):	1	
Flow	Present?	∐ Yes [No		Estimated (ft ³	/sec	c):					
Downstrea	m View	Physical D	imensions:									
Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		М	ax. Depti	h (ft):		
X Run	Width (ft):	15	Length (ft):	15	Avg. Depth (1	ft):	1 f.t		ax. Deptl	<u> </u>	164	6#
Pool	Width (ft):		Length (ft):		Avg. Depth (fi):		M	ax. Depti	h (fl):	11,	<u> </u>
Flow	Present?	☐ Yes [No		Estimated (ft ³	/sec	e):					
Substrate*: (These valu	es should ad		% Sa	ind	159	% Silt	% N	/lud/Clay		%	Bedrock
Water Chara	cteristic	s*: (Matk al	that apply.)							<u></u>		· -
Odor:		Sewage	Musky		Chemical	ÜĄ	None	□	Other:			
Color:	. [Clear	Green		Gray		Milky			Mur	ky)	
Bottom Dep		Sludge	Solids	 <u> </u>	ine sediments		None	<u> X</u>	Other:	Tim	ER.	debre
Surface Dep	OOSH:] Oil	Scum		oam	Щ	None		Other:			
Comments: P *This informatio comprehensive u decision on the r	n is not to l inderstandin ocreation u	be used solel ng of water c se analysis b	y for removal of onditions. Consu at may point to c	a recreat equently, onditions	ional use designa this information that need furthe	atio i is : er ai	n but rather : not intended nalysis or tha	is to pr to dire at effec	ovide a nectly influ a another	nore ience a tuse,		
I, the undersidatasheet is t	rue and :	accurate.							_	ted on	this	UAA
Signed:(_	7 1.	017-	1 A21	rn Wa	z€⊆Date:	(b /8/0≤	<u>, </u>				
Signed:	Mo (ONR :	sucp	 ,	Position	ı:	_انهك_	50je	ndied <u>.</u>	<u>></u>		

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Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Minami Waran II		-	Site Location De	acopistion:	····
	171 - 03		Little	•	
Site GPS Coordinates: 3	8.422555 ₄₇ .9	4.078712	LONG.	PEER CR.	
Date & Time: 6/8/05	1150 PMC		Facility Name:		
Personnel: Craig Ch	atheld · Aarov	woods	Permit Number:	<u></u>	
Current Weather Condition	ons: Partly clou	بهاري	Weather Conditi	ions for Past 7 days: Mod	GRATE RAIN
Photo Ids: Upstream: VB	Down:	stream: WB0	03 Other		
Hass Observed to			·····		
Uses Observed*:				·	· —
Swimming	Skin diving	-	JBA diving	Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	ting	☐ Wading	Rafting
Hunting	☐ Trapping	☐ Fish	~	None of the above	Other;
Describe: (include numbe	r of individuals recre	ating, freque	ncy of use, photo-	documentation of evidence	of recreational uses, etc.)
Surrounding Condition	8*: (Mark all that ore	omate or imp	ede recreational u	ises. Attach photos of evider	nce or unusual
items of interest.)	- Comment of the pro	onitoto or map	ecc recreational c	ises. Attach photos of cylder	ice of unusual
City/county parks	Playgrounds [MDC con	servation lands	Urban areas	Campgrounds
☐ Boating accesses	State parks [National 1	Forests	☐ Nature trails	Stairs/walkway
☐ No trespass sign	Fence [Steep slop	bes	Other:	
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•	<u> </u>	
Evidence of Human Use	e* :				
Roads	Foot paths/prints	s De	ock/platform	Livestock Watering	RV / ATV Tracks
☐ Rope swings	Camping Sites	☐ Fi	re pit/ring	☐ NPDES Discharge	Fishing Tackle
Other:	TIRES, ETC	Refere	ince WBU	1217 03	
		, -, ,			·
Site Locations Map(s):	Attach a map of e	ntire segm	ent with assess	ment sites clearly labele	ed. Mark anv
other items that may be o	f interest. (Înclud	le photogra	1 \	Attacked	····
		_	-	· · ·	
*Some of this information is r	ot intended to directly	y influence a	decision on any	one particular recreational us	se analysis but

September 29, 2004

may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

Page Two – WBID #__|877]:

Flow Present? Yes No Estimated (ft³/sec): Substrate*: (These values should add up to 100%.) 15 % Cobble 10 % Gravel % Sand 75 % Silt % Mud/Clay Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) W@UN277 03 WBD(277 03 Water Characteristics*: (Mark all that apply.) Odor:	
Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Flow Present? Yes No Estimated (ft²/sec): Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):	<u> </u>
Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft):	
Flow Present? Yes No Estimated (ft²/sec):	CL AT
Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Max. Depth (ft): Max. Depth (ft): Prool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft)	tha
Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Max. Depth (ft): Max. Depth (ft): Prool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Max. Depth (ft): Max. Depth (ft): Flow Present? Yes No Estimated (ft ³ /sec): Estimated (ft ³	
None	
No Estimated (ft)	
Flow Present? Yes No Estimated (ft³/sec): Starte*: (These values should add up to 100%.) Should be compared to the second of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.	H.2"
MGUR77 03 MBDIZ77 03 MBDI	1170
Sewage	% Bedrock
Color: Clear Green Gray Milky Other: MURK Bottom Deposit: Sludge Solids Fine sediments None Other: Timber Surface Deposit: Oil Scum Foam None Other: Timber omments: Please attach additional comments (including information from interviews) to this form. This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. the undersigned, hereby affirm to the best of my knowledge, that all information reported on that asheet is true and accurate.	
Bottom Deposit: Sludge Solids Fine sediments None Other: Timber Surface Deposit: Oil Scum Foam None Other: Timber omments: Please attach additional comments (including information from interviews) to this form. This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The undersigned, hereby affirm to the best of my knowledge, that all information reported on that asheet is true and accurate.	<u>Anima∟</u>
Surface Deposit: Oil Scum Foam None Other: Timber omments: Please attach additional comments (including information from interviews) to this form. This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The beautiful deposition of the conditional comments (including information but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The beautiful deposition of the conditional comments (including information but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The beautiful deposition of the conditional comments (including information but rather is to provide a more imprehensive understanding of water conditions.)	
omments: Please attach additional comments (including information from interviews) to this form. This information is not to be used solely for removal of a recreational use designation but rather is to provide a more imprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a cision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. The undersigned, hereby affirm to the best of my knowledge, that all information reported on that asheet is true and accurate.	
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rganization: No DNR SWCP Position: 501 Scientists	_
rganization: No DNR SWCP Position: 501 Scientists	_

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